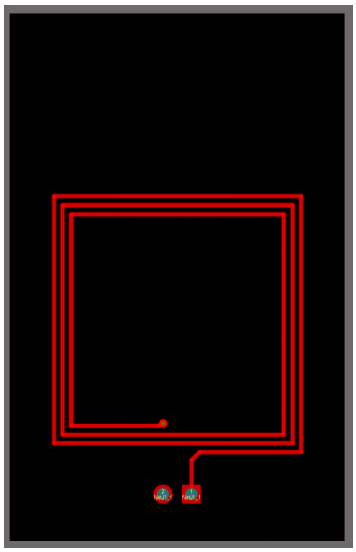
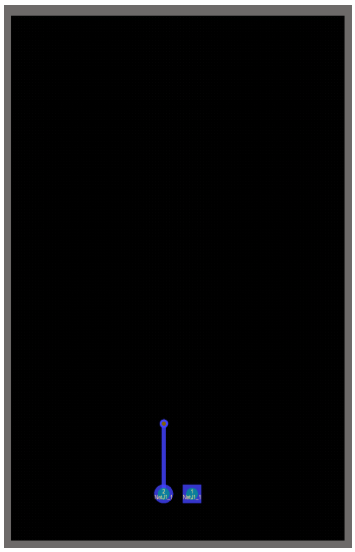
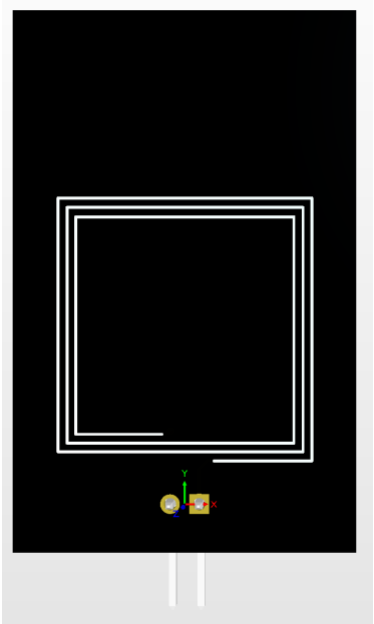
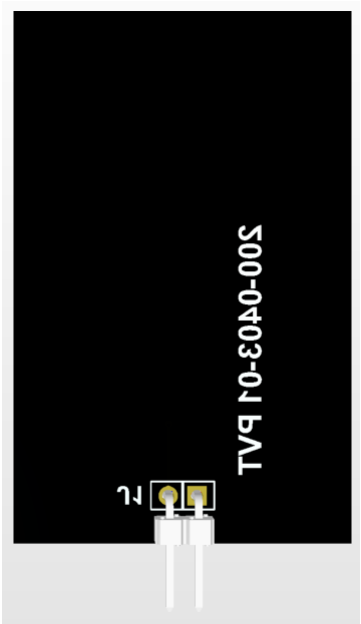
NFC coil antenna board

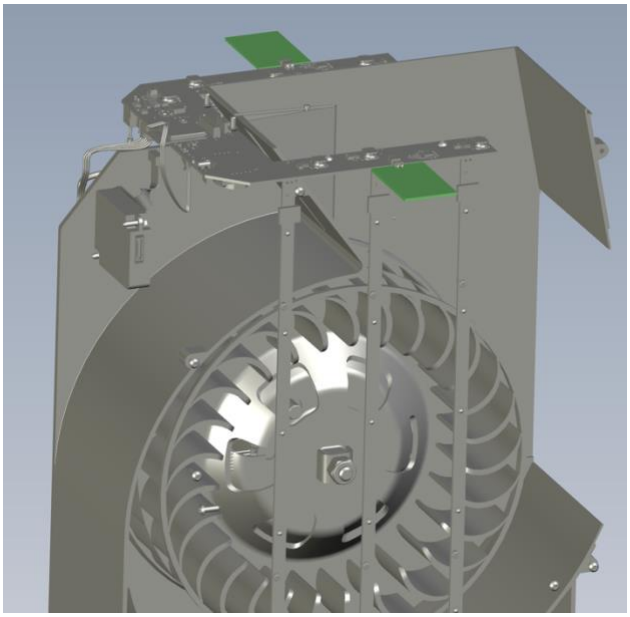
The NFC coil antenna board is a rigid Printed Circuit Board (PCB) whose function is to transfer the energy to the accessory tag. The coil is connected to the main board via a two pin Plated Through Hole (PTH) connector pair (pins and receptacle). The coil has three square turns in layer 1 (PCB has a total of 2 layers). The NFC coil antenna board shape, size and positioning is the same for all the variants of the product under certification).









- Coil inductance: 430 nH
- Resistance: 0.61 Ω
- Reactance: 36.6 Ω
- Q factor: 20
- Coil inner distance: 18.528 mm
- Coil outer distance: 22.381 mm

The two NFC coils are positioned above each filter – shown in green in the image below.